	Application No.	Applicant(s)	
Notice of Allowability	10/040,233	CHIOU ET AL.	
	Examiner	Art Unit	
	Wai-Sing Louie	2814	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in this ap b) or other appropriate communication RIGHTS. This application is subject to	plication. If not included n will be mailed in due course. THI	
1. This communication is responsive to 9/27/04.			
2. X The allowed claim(s) is/are 1-16.			
3. \boxtimes The drawings filed on <u>07 November 2001</u> are accepted by	the Examiner.	,	
4. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents hav 2. Certified copies of the priority documents hav 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subn INFORMAL PATENT APPLICATION (PTO-152) which giv 6. CORRECTED DRAWINGS (as "replacement sheets") mu (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner Paper No./Mail Date lidentifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in 7. DEPOSIT OF and/or INFORMATION about the deporated examiner's comment regarding REQUIREMENT	re been received. re been received in Application No recuments have been received in this recuments have been received in this recuments have been received in this recurrence of this application. recurrence of this application of the claration of the decimal of the comment of the comment of the decimal of the comment of the decimal of the comment of the decimal of the comment of t	national stage application from the complying with the requirements. 'S AMENDMENT or NOTICE OF tion is deficient. 948) attached Office action of the back) of d). must be submitted. Note the	e
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 2/26/02	6. ☐ Interview Summary Paper No./Mail Da	te	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☐ Examiner's Stateme 9. ☐ Other	ent of Reasons for Allowance	_
		HOAL PHAM	

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04) PRIMARY EXAMINER

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DETAILED ACTION

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

The claimed invention is a structure of an image sensor, comprising:

- At least one photodiode region formed in a semiconductor substrate; and
- At least one transistor, where the photodiode region comprises:
 - o A p-type region extending to a surface of the semiconductor substrate, and
 - O An n well region formed in said p-type region, where the n well region comprises a bar portion and a plurality of parallel finger portions extending from the bar portion, and the bar portion is electrically connected to the transistor via a connection.

The prior art of record does not disclose or suggest either in singly or in combination the following limitations and other elements in the claims:

- Reference Maloney (US 6,323,985) do not disclose the n well region comprises a
 bar portion and a plurality of parallel finger portions extending from the bar
 portion, and the bar portion is electrically connected to the transistor via a
 connection.
- Reference Merrill et al. (US 6,150,683) do not disclose the n well region
 comprises a bar portion and a plurality of parallel finger portions extending from

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the bar portion, and the bar portion is electrically connected to the transistor via a connection.

Therefore, the above references do not disclose the claimed invention of present application and claims 1-16 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wai-Sing Louie whose telephone number is (571) 272-1709. The examiner can normally be reached on 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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December 18, 2004.